

U.S. Department Of Agriculture
Natural Resources Conservation Service
Nevada

**Operation and Maintenance Plan
Stockwater Pipeline (516)**

Landowner/Operator: _____
Project: _____
Location: _____ Sec. _____ T. _____ R. _____
NRCS Office: _____ Phone: _____

A properly operated and maintained pipeline system is an asset to your operation. This pipeline was designed and installed as a permanent solution to stockwatering deficiencies. The estimated life span of the installation is at least 20 years and can be assured and usually increased by carrying out the following recommendations.

OPERATION AND MAINTENANCE CHECKLIST



- ☐ The pipeline was designed for a maximum of _____ (number) of _____ (livestock). If the numbers are increased, additional water supplies may be needed during peak use periods.
- ☐ Inspect all drains to be sure that drain valves are closed.
- ☐ Close all hydrants and valves slowly to prevent water hammer.
- ☐ Open all manual air release valves.
- ☐ Inspect all air-vac valves to see that the airway is open (stem pushed down) and the float ball and seat are in place and undamaged.
- ☐ Visually inspect all pressure relief valves to be sure they are free to operate and have not been adjusted to a higher or lower pressure setting.
- ☐ If there is a pressure reducer valve in your system, special operating procedures are necessary.
- ☐ Check pipeline area for settlement and erosion and fill low areas.
- ☐ Inspect the pipeline for sudden changes in quantity of water received from the source.
- ☐ Maintain the design depth of cover over the pipeline.
- ☐ Check pipeline area for leaks, settlement and erosion annually and repair deficiencies.
- ☐ Drain all system components in areas subject to freezing. If parts of the system cannot be drained, an anti-freeze solution shall be added.
- ☐ Leave drain valves, drain plugs and in line valves open during the winter.
- ☐ Eradicate or otherwise remove all rodents or burrowing animals. Immediately repair any damage caused by their activity.
- ☐ Immediately repair any vandalism, vehicular, or livestock damage to any outlets and appurtenances.

[illegible]